

METHOD AND APPARATUS FOR FACILITATING VALIDATION OF DATA RETRIEVED FROM DISK

ABSTRACT

One embodiment of the present invention provides a system that facilitates validation of data retrieved from a secondary storage device. The system operates by receiving a write request to write new data to a block of the secondary storage device, and calculating a new checksum value from the new data. The system also retrieves a current checksum value and an old checksum value associated with the block of the secondary storage device. Next, the system performs a checksum write operation to a validation device to update the current checksum value and the old checksum value, and then performs a data write operation to the secondary storage device to write the new data to the block of the secondary storage device.